

Date: Sat, 17 Sep 94 04:30:34 PDT
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>
Errors-To: Ham-Homebrew-Errors@UCSD.Edu
Reply-To: Ham-Homebrew@UCSD.Edu
Precedence: Bulk
Subject: Ham-Homebrew Digest V94 #276
To: Ham-Homebrew

Ham-Homebrew Digest Sat, 17 Sep 94 Volume 94 : Issue 276

Today's Topics:

 1200 and 10000 MHz low-noise GaAsFET or GaAlAsFET
 Dipoles & 50 ohm coax
 Kenwood TR-2600 mods needed
 MAKE.MONEY.FAST
 Micor Compa-station for 6m?
 xtal filters
 xtal vs mechanical filter

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>

Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 12 Sep 1994 10:38:11 GMT
From: agate!howland.reston.ans.net!math.ohio-state.edu!jussieu.fr!univ-lyon1.fr!
elendir@ames.arpa
Subject: 1200 and 10000 MHz low-noise GaAsFET or GaAlAsFET
To: ham-homebrew@ucsd.edu

Hi !

I am working on two projects at the time : the first involves the design of
a 23 cm phone repeater (6 MHz shift), and the second is the design of a 10
GHz BLU transverter. For both project, I need some data about low-noise FETs,
but I lack it.

Does anybody have any idea about what kind of device I should use ? I don't
care about price, as long as it does not reach \$20 per part.

Thanks and 73 !

Vincent

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F1RCS - Worldwide Friendship through Amateur Radio
ENST, Ecole Nationale Supérieure des Telecommunications, Paris

Date: Wed, 14 Sep 1994 22:30:12 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!math.ohio-state.edu!
magnus.acs.ohio-state.edu!csn!col.hp.com!srngenprp!news.dtc.hp.com!hplextra!hplntx!
hpscit.sc.hp.com!icon!greg@network.UCSD
Subject: Dipoles & 50 ohm coax
To: ham-homebrew@ucsd.edu

Greg Dolkas (greg@core.rose.hp.com) wrote:

: All this talk about matching 75 ohms to a typical ham transceiver reminds me of
: a question I had... BTW, most I have asked this suggest I just try it and see
: what happens :-)

For the curious... an update.

I took the advice of just trying it, and the results weren't too bad.

The dipole actually is 3 dipoles spaced 1.5" apart, and fed with a single run of RG-8M coax. The dipoles are cut for 40, 20, and 10 meters. Each required a little pruning to get tuned up, and all work reasonably well. The 40 meter part also works so-so on 15 meters (it's a little short), and also on 6 meters. The 10 meter band is so wide that I can't get a perfect match across the whole thing, but it's under 2:1 for about half of it, and the tuner takes care of the rest. 20 works the best; I was able to make a couple of contacts without really trying much during the /125 event a couple of weekends ago. 40 meters is a little worrisky. The indicated SWR is about 1.2:1 direct into the coax (no tuner), but I seem to have RF everywhere. The feed line is some 75' long (a tad over 1/2 wavelength), which you'd think should make things work best. I put a half-dozen turns of the feedline at the feedpoint as a choke, but it's still there. Suggestions are welcome.

Anyway, thanks for all the suggestions,

Greg KD6KGW/AG

Date: 16 Sep 1994 07:36:54 GMT

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!library.ucla.edu!news.ucdavis.edu!
enchilada.engr.ucdavis.edu!jdwong@network.ucsd.edu
Subject: Kenwood TR-2600 mods needed
To: ham-homebrew@ucsd.edu

Does anyone know how to modify the Kenwood TR-2600 to
extend transmitter coverage.

Thanks for any help on this matter.

-Joseph

Date: 11 Sep 1994 19:38:54 -0500
From: agate!spool.mu.edu!uwm.edu!omnifest.uwm.edu!omnifest.uwm.edu!not-for-
mail@ames.arpa
Subject: MAKE.MONEY.FAST
To: ham-homebrew@ucsd.edu

Interesting scam. Unfortunately the unscrupulous scam artist puts his name
at number five on his mailing and the poor suckers who are down to 6 thru
10 never see a cent. You've got a better chance striking the lottery.
"There's a sucker born every minute" PT Barnum
WB9ZIQ
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Date: 14 Sep 1994 14:46:03 -0700
From: news.sprintlink.net!news.world.net!news.teleport.com!news.teleport.com!not-
for-mail@uunet.uu.net
Subject: Micor Compa-station for 6m?
To: ham-homebrew@ucsd.edu

For Sale/Trade:

Motorola "Micor Compa-Station", 100W 4-channel business band (47 MHz)
base station, continuous duty rated, suitable for use as 6 Meter repeater.

\$150/offer/trade for 2M vertical or 2M mobile transceiver. <<503-655-6410>>

73's
Gene
KB7WIP

Date: 14 Sep 1994 22:47:24 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!chpc.utexas.edu!news.utdallas.edu!
corpgate!bnrgate!bmerha64.bnr.ca!bgtys22!kirkland@network.ucsd.edu
Subject: xtal filters
To: ham-homebrew@ucsd.edu

Does anyone have the address/phone number for A & A parts
What is the TRW swap meet?

Bill Kirkland

Date: 16 Sep 1994 13:33:54 GMT
From: ihnp4.ucsd.edu!munnari.oz.au!yarrina.connect.com.au!
harbinger.cc.monash.edu.au!yeshua.marcam.com!charnel.ecst.csuchico.edu!olivea!
flash!robertov@network.ucsd.edu
Subject: xtal vs mechanical filter
To: ham-homebrew@ucsd.edu

Mechanical filter this unknow item !!!!!

I probably have an idea about how it works but the real question is this
What kind of circuit I have to use if I want to put a cristal
filter in place of a mechanical one ?

What is is the in/out impedance of both kind of filters ?

Can I do a direct replacement mech/xtal ? (I do not belive so)

I have a RTX that have a mechanical filter for SSB (455kHz 3.0kHz large)
and just two coupled/parallel resonant circuits for AM receive.
An AM filter 6kHz is optional and I asked to Scientific Radio (they build RTX)
the price and it is 85 USD and I do not want to spend those money
because I bought this old RTX in a surplus store for about 100 USD
here in Italy.
So i would like to build a xtal filter (may be with some additional
circuitry) that can work in place of its own mechanical.
I have 3 455kHz ceramic resonators.

than you for the time you will give me.

Roberto VALFREDINI (from ITALY)

End of Ham-Homebrew Digest V94 #276
